

# ILLINOIS

## WEATHER & CROPS



**ILLINOIS  
COOPERATIVE CROP  
REPORTING SERVICE**

Illinois Department of Agriculture  
STATISTICAL REPORTING SERVICE - USDA  
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Released: AUGUST 3, 1981, 3 P.M., CDT

**DOC, NOAA, NATIONAL WEATHER SERVICE**

VOL.2. NO. 21

### CROP HI-LITES

\*\*\* Corn - 92% silked, 40% dough, 8% dented  
\*\*\* Soybeans - 77% blooming, 35% setting pods  
\*\*\* Soil Moisture - 2% short, 54% adequate,  
44% surplus

CORN on July 31 was reported as 24% in excellent condition, 71% good, and 5% fair. On August 2, 92% of the corn crop is tasseled compared to 98% last year and an average of 91%. Forty percent of the corn crop was in the dough stage compared to 58% last year and an average of 43%. Eight percent of the crop is dented compared to 10% last year and an average of 11%.

SOYBEANS on July 31 were reported as 7% in excellent condition, 77% good and 16% fair. As of August 2, 77% of the soybeans were blooming compared to 88% last year and an average of 82%. Thirty-five percent of the crop was setting pods compared to 55% last year and an average of 48%.

The OATS crop on August 2 was 85% combined compared to 82% last year and an average of 81%.

ALFALFA HAY was reported as 15% excellent, 77% good and 8% fair on July 31. About 88% of the second cutting was complete on August 2 compared to 95% last year and an average of 89%. Thirteen percent of the third cutting was complete compared to 18% last year and an average of 15%.

PASTURES on July 31 were reported as 30% excellent, 65% good, and 5% fair.

SOIL MOISTURE on July 31 was reported as 2% short, 54% adequate, and 44% surplus.

For the week ending July 31, there were  
75 DAYS SUITABLE for FIELDWORK.

### WEATHER

TEMPERATURES for the period of July 27 thru August 2 averaged 3 degrees to 6 degrees below normal over the entire State as a cool period continued for the second straight week. The first few days of the week were cool with minimum readings dropping into the upper 40's in the North to near 60 degrees in the South. A few new minimum temperatures were set.

PRECIPITATION was heavy with most areas recording 1.25 to 3 inches. Scattered areas, mostly in the southern half of the State, recorded less than 1 inch. Heavy rain fell in the State on the first day of the week with some places recording more than 1 inch during a 24-hour period. Heavy rains returned to the northern half of the State at the end of the week. Springfield recorded more than 4 inches during a 24-hour period while Chicago recorded more than 2 inches.

The Outlook for the period of August 4 thru August 10 is for temperatures to be below normal and precipitation above normal over the State.

The Extended Outlook through the end of August is for near normal temperatures over the State. Precipitation is expected to be above normal in the North and below normal in the South.

### SOIL MOISTURE MEASUREMENTS

Soil moisture generally increased during this past week in the State due to the continued precipitation. A moderately, well-drained Flanagan soil in Champaign County received about 1.24 inch of precipitation during the previous week, most of which was added to the soil moisture in the upper few feet. The soil contained about 61% of plant available moisture from the surface to a depth of about 7 feet, with about 84% plant available moisture from the surface to 4 inches, 61% from 4 to 12 inches, and 55% from 12-20 inches, all increased noticeably from the week before. The following locations in Illinois were measured on July 27-29:

Site	County	Inches, Soil Moisture	
		Surface to 20 inches	Change from 2 weeks ago
Bondville	Champaign	6.4	+ .8
Monmouth	Warren	6.1	+ .5
Galesburg	Knox	5.9	+ .1
Topeka	Mason	4.2	+ .8
Shabbona	De Kalb	6.3	+ .2
Perry	Pike	6.1	+ .2
Brownstown	Fayette	5.8	+1.0
Dixon Springs	Pope	5.8	- .5

### ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % silked (as of August 2)	95	97	88	94	85	97	88	88	85	92	91
Soybeans: % bloomed (as of August 2)	85	90	78	78	83	77	70	55	75	77	82
Days suitable for fieldwork: (week ending July 31)	3.5	3.0	2.5	1.5	3.0	2.5	3.5	2.5	3.0	2.75	
Soil moisture % (as of July 31)											
Short	10	--	--	--	--	--	5	--	--	2	
Adequate	80	100	30	55	25	35	80	35	50	54	
Surplus	10	--	70	45	75	65	15	65	60	44	

Illinois Weather & Crops (ISSN: 0273-8635) is published weekly April-November, monthly December-March by the Illinois Department of Agriculture, Illinois Cooperative Crop Reporting Service, Room 218, Federal Building, 600 East Monroe, Springfield, IL 62701. This publication is free upon request to the above address. Postmaster: Send Change of Address Form 3579 to P.O. Box 429, Springfield, IL 62705.

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Illinois Cooperative  
Crop Reporting Service  
P.O. Box 429  
Springfield, IL 62705

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Illinois Weather & Crops  
August 3, 1981

# ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

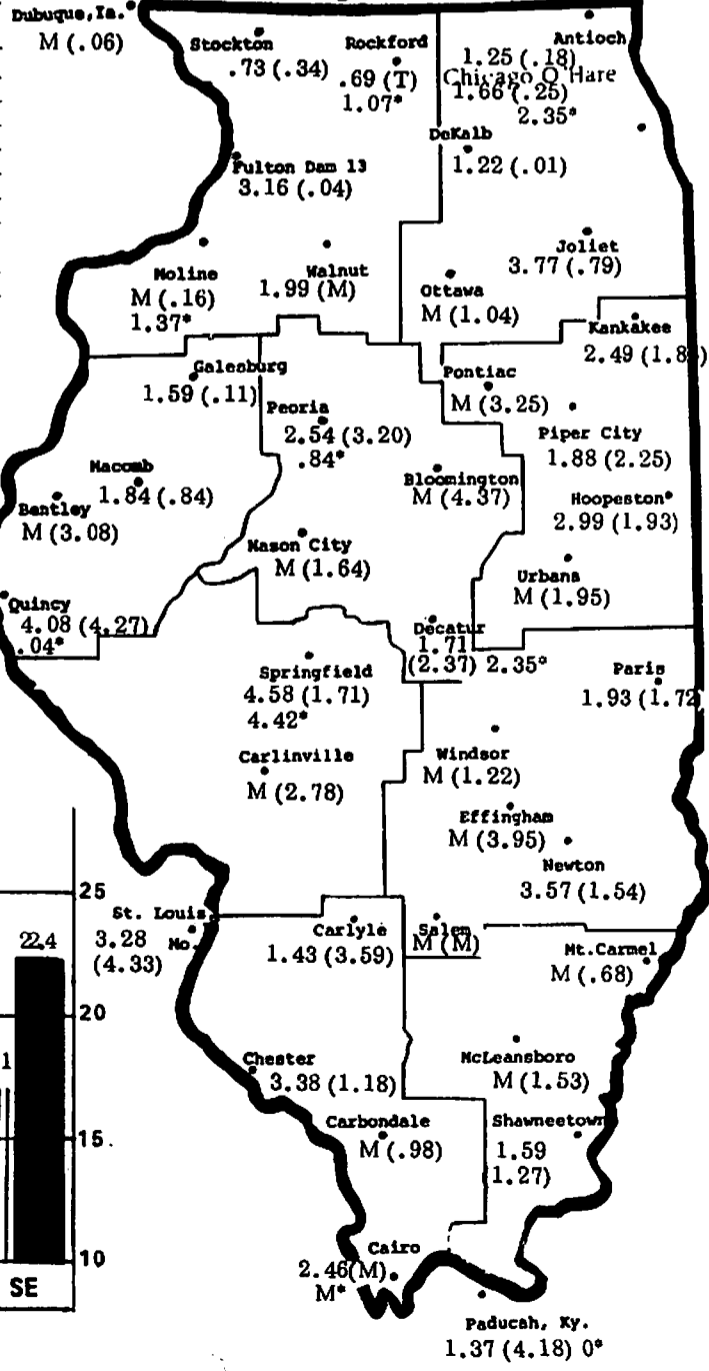
	May	June	June 29- July 5	July 6- 12	July 13- 19	July 20- 26	July 27- August 2
Chicago	-3	+2	+2	+5	+5	-2	-6
Moline	-3	0	0	+4	+3	-3	-8
Springfield	-3	+2	+1	+6	+4	+1	-5
So. Central	-4	+2	0	+4	+5	-3	-6

STATION	July 31			August 3		
	Temperatures	Growing Degree Days*		Temperatures	Growing Degree Days*	
	Weekending Fri. 6 A.M.	Maxi-: Mini-: Aver-	Week ending Mon. 6 A.M.	Weekending Fri. 6 A.M.	Maxi-: Mini-: Aver-	Week ending Mon. 6 A.M.
	mum: mum: age	Current: 3-year: Totals: Totals	week: avg. : 1980: 1981			
Dubuque, IA	: -- : -- : --	: 115 : 1798 : 1978 : 1875				
Moline	: 84 : 49 : 67	: 123 : 2035 : 2094 : 2048				
Rockford	: 83 : 57 : 68	: 119 : 1843 : 1863 : 1873				
Chicago O'Hare	: 86 : 51 : 67	: 123 : 1846 : 1835 : 1913				
Quincy	: 85 : 55 : 70	: 136 : 2242 : 2357 : 2159				
Decatur	: 85 : 52 : 70	: 129 : 2136 : 2176 : 2146				
Peoria	: 82 : 54 : 70	: 140 : 2034 : 2084 : 2200				
Springfield	: 87 : 57 : 72	: 156 : 2215 : 2280 : 2357				
Cairo	: 75 : 60 : 66	: 169 : 2476 : 2368 : 2648				
St. Louis	: -- : -- : --	: 164 : 2445 : 2545 : 2553				

\* Totals are accumulated from April 1.

Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

PRECIPITATION:  
First figure--current week, July 24-30  
Parentheses--previous week  
Asterisk--Friday-Sunday  
M--Missing. T--Trace.



## ACCUMULATED PRECIPITATION

(Inches)

LEGEND: Normal | Actual

April 1-July 31

April 1-July 30

